





F:235-455/Domain: Intracellular #status predicted <INT>  
F:54,145,151/Binding site: carbohydrate (asn) (covalent) #status predicted

Query Match 11.4%; Score 145.5; DB 1; Length 455;

Best Local Similarity 21.3%; Pred. No. 0.0001;  
Matches 66; Conservative 36; Mismatches 109; Indels 99; Gaps 14;

```

QY 3 COENEXWDMGRCVTCORCGPQGLSKDCGYGGGDAYCTACPPRRYKSSMGH-HKQSC 61
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 44 CPQKGIHPONNSICCTKCHKGYLYNDCP-GRGDQDCECSGSGFTASENLHRLCLSC 102
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 62 INC-AVINRQKYNCTATSNAGVDCCLPRPRK----- 93
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 103 SKCRKMGQVEISSCTVDNDYVCG-CRKNQRYHNSENLFCQCNCLCLNGTVHLSQCK 161
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 94 ----TRIGG--LQDOECIPCTKQPTSEVQCAFOLSLVEADAPVPPQDAT-----L 139
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 162 QNTVCTCHAGFLRENECVSCS-----NCKKSLCTKLCPLQIENVKGTEDSGTYYL 213
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 140 VALVSSL-LVFTFLAFLGLFLYCK---QFENRHC-----QRCGLQFQFADKTKAESLF 190
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 214 LPLVIFEGCLLSLFTGLMYRYQRMKSKLYSVCGKSTPEKGEDEGTTTKPLAPNPSF 273
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 191 -----PVPPKETSASQVSNAPGS-----LAQLFS 216
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 274 SPTPGFTPLGFSPPVSSFTTSS---TYTPGDCPNFAPAREVAPPYGADPILATALA 330
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 217 LDSVPPIQQQ 226
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 331 SDPIPNPQK 340

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### RESULT 3

GOMST1

tumor necrosis factor receptor 1 precursor - mouse

N:Alternate names: tumor necrosis factor receptor, 55K

C:Species: Mus musculus (house mouse)

C>Date: 30-Jun-1992 #sequence\_revision 30-Jun-1992 #text\_change 01-Dec-2000

C:Accession: A36634; B40254; S16677; S19021; I54532; I57826

R:Lewis, M.; Tartaglia, L.A.; Lee, A.; Bennett, G.L.; Rice, G.C.; Wong, G.H.W.; Chen, E.

Proc. Natl. Acad. Sci. U.S.A. 88, 2830-2834, 1991

A>Title: Cloning and expression of cDNAs for two distinct murine tumor necrosis factor

A:Reference number: A36634; MUID:9118785

A:Accession: A36634

A:Molecule type: mRNA

A:Residues: 1-454 <LEW>

A:Cross-references: GB:M60468; NID:9199825; PIDN:AAA39751.1; PID:9199826

R:Goodwin, R.G.; Anderson, D.; Jerzy, R.; Davis, T.; Brannan, C.I.; Copeland, N.G.; Jenk

Mol. Cell. Biol. 11, 3020-3026, 1991

A>Title: Molecular cloning and expression of the type 1 and type 2 murine receptors for

A:Accession number: A40254; MUID:91246168

A:Accession: B40254

A:Molecule type: mRNA

A:Residues: 1-454 <GO2>

A:Cross-references: GB:M60468; NID:9199825; PIDN:AAA39751.1; PID:9199826

R:Barrett, K.; Taylor-Fishwick, D.A.; Cope, A.P.; Kissmerghis, A.M.; Gray, P.W.; Feldma

Eur. J. Immunol. 21, 1649-1656, 1991

A>Title: Cloning, expression and cross-linking analysis of the murine p55 tumor necrosis

A:Reference number: S16677; MUID:91285014

A:Accession: S16677

A:Molecule type: mRNA

A:Residues: 1-454 <BAR>

A:Cross-references: EMBL:X59238; NID:953578; PIDN:CAA41922.1; PID:953579

R:Rothe, J.G.; Brockhaus, M.; Gentz, R.; Lesslauer, W.

Immunogenetics 34, 338-340, 1991

A>Title: Molecular cloning and expression of the mouse Tnf receptor type b.

A:Reference number: S19021; MUID:92039815

A:Accession: S19021

A:Molecule type: mRNA

A:Residues: 1-454 <ROT>

A:Cross-references: EMBL:X57796; NID:954848; PIDN:CAA40936.1; PID:954849

R:Bebo, B.F.

Immunogenetics 39, 450-451, 1994

A>Title: Nucleotide sequence of the TNF type I receptor from a mouse endothelioma cel

A:Reference number: I54532; MUID:94245292

A:Accession: I54532

A>Status: translated from GB/EMBL/DBJ

A:Molecule type: mRNA

A:Residues: 1-454 <RES>

A:Cross-references: GB:L26349; NID:9430732; PIDN:AAA59361.1; PID:9430733

R:Rothe, J.G.; Bluethmann, H.; Gentz, R.; Lesslauer, W.; Steinmetz, M.

Mol. Immunol. 30, 165-176, 1993

A>Title: Genetic organization and promoter function of the murine tumor necrosis fact

A:Reference number: I57826; MUID:93156721

A:Accession: I57826

A>Status: preliminary; translated from GB/EMBL/DBJ

A:Molecule type: DNA

A:Residues: 1-393, G, 395-454 <RE2>

A:Cross-references: GB:M76656; NID:9202100; PIDN:AAA40465.1; PID:9202102

C:Comment: This protein is one of two distantly related receptors for both TNF-alpha

C:Genetics:

A:Gene: TNFR-2

A:Introns: 13/3; 65/1; 108/1; 158/1; 184/2; 210/1; 248/1; 257/3; 353/1

C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology

C:Keywords: cytokine receptor; duplication; glycoprotein; receptor; transmembrane pr

F:1-29/Domain: signal sequence #status predicted <Sig>

F:30-454/Product: tumor necrosis factor receptor type 1 #status predicted <MNT>

F:30-212/Domain: extracellular #status predicted <EXT>

F:44-82/Domain: NGF receptor repeat homology <NG1>

F:84-126/Domain: NGF receptor repeat homology <NG2>

F:127-167/Domain: NGF receptor repeat homology <NG3>

F:168-204/Domain: NGF receptor repeat homology <NG4>

F:213-235/Domain: transmembrane #status predicted <MEM>

F:236-454/Domain: intracellular #status predicted <INT>

F:54,151,202/Binding site: carbohydrate (asn) (covalent) #status predicted

Query Match

Best Local Similarity 11.4%; Score 145; DB 1; Length 454;

Matches 67; Conservative 37; Mismatches 112; Indels 90; Gaps 14;

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QY 3 COENEXWDMGRCVTCORCGPQGLSKDCGYGGGDAYCTACPPRRYKSSMGH-HKQSC 61
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 44 CPQKGIHPONNSICCTKCHKGYLYNDCP-SGRDVCRCRECEKGTPTASQNYLROCLSC 102
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 62 INC-AVINRQKYNCTATSNAGC----- 96
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 103 KTCRKEMQVEISPPQADKPTVCGCKENQFORLYLSETHFOCVDCSPCFNGFTVTPCKETQ 162
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 97 -----GG--LQDOECIPCTKQPTSEVQCAFOLSLVEADAPVPPQDATVALVSSL 147
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 163 NTVNCNCHAGFFLESECVPCSHCKKNE---CMKLCIPLPLANTPNQDSG-TRVLLPLY 218
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 148 VFTFLAFLGLF--LYCK-----QFENRHCQRGGLQFQFADKTKAESLFPVPPSKETS 199
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 219 ILGLCLLSLFTSLMCRPYRMRPEVYSICR--DPVPVKEKAKGKPLTPAPSPAFSPTS 276
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 200 A-----ESQVSNAPGSLAOLF-----SLDSVP 221
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 277 GFNPPLGFSPTPGFSSPVSTP--ISPIFGPSNMHMPVSEVVPYTGADPLLYESLCSVP 334
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
QY 222 IPQOQQ 227
      : : : : : : : : : : : : : : : : : : : : : : : : : : : :
DB 335 APTSVQ 340

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### RESULT 4

CD27 antigen precursor - mouse

N:Alternate names: CD27L receptor; T cell activation antigen CD27

C:Species: Mus musculus (house mouse)

C>Date: 19-Dec-1993 #sequence\_revision 22-Apr-1995 #text\_change 11-Sep-1998

C:Accession: A49053

R:Gravestein, L.A.; Blom, B.; Nolten, L.A.; de Vries, E.; van der Horst, G.; Ossendor

Eur. J. Immunol. 23, 943-950, 1993

A>Title: Cloning and expression of murine CD27: comparison with 4-1BB, another lympho

A:Reference number: A49053; MUID:93209296

A:Accession: AA9053  
A:Molecule type: mRNA  
A:Residues: 1-250 <GRA>  
A>Note: Sequence extracted from NCBI backbone (NCBI:128168, NCBI:128169)  
C:Superfamily: CD27 antigen; NGF receptor repeat homology  
C:Keywords: duplication; glycoprotein; homodimer; receptor; surface antigen; T-cell; tre  
F:1-20/Domains: signal sequence #status predicted <SIG>  
F:21-250/Product: CD27 antigen #status predicted <MAT>  
F:21-182/Domains: extracellular #status predicted <EXT>  
F:27-63/Domains: NGF receptor repeat homology <NG1>  
F:65-105/Domains: NGF receptor repeat homology <NG2>  
F:121-179/Region: proline/serine/threonine-rich  
F:183-202/Domains: transmembrane #status predicted <TM>  
F:203-250/Domains: intracellular #status predicted <INT>  
F:95,162/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 11.3%; Score 143.5; DB 1; Length 250;  
Best Local Similarity 25.7%; Pred. No. 8.9e-05;  
Matches 67; Conservative 22; Mismatches 97; Indels 75; Gaps 14;

3 COENEYWDQMGVCVTCORCGPGEISKDCGVEGEGDAYCTACPPRRYKSMGHHK--COS 60  
Db 27 CPDKHYWVGGLG--CRMCEPSTFFVKDCEDQRTA--AQCDPCIPSTSPDHYHPRCES 83  
QY 61 CITCAVINRQKVNCTAFSAVAGDCLPRFYKRTIRIGLQDOECIPCTKQPTSEVQCAF 120  
Db 84 CRHCSGSEFLR--NCTVIANEC--SCSKNWQ-----CRDQECTEC--DPLPALTR 130  
QY 121 QLSIVEADAPVTP-----QETALVALYS---LLVFT 151  
Db 131 QPS--ETPSPPPHLDHGTETKPSWPLHROLPNSTVYSQSSSHRPLCSSDCIRIFVFS 188  
QY 152 IAFGLFPLCYKQFNRHRCQRGLLQFPADTKAKESLFP--VPSKETSAESGVSAFG 209  
Db 189 SMFL-IFVLGALIFPHQRNHGP---NEDQAVPEEPCPSCPREEGSA----- 234  
QY 210 SLAQLESDSVPIRQOQCGPE 230  
Db 235 -----IPIDPYRRPE 245

RESULT 5  
JC4302  
tumor necrosis factor receptor p55 precursor - pig  
C:Species: Sus scrofa domestica (domestic pig)  
C:Date: 29-Nov-1995 #sequence\_revision 08-Feb-1996 #text\_change 23-Jul-1999  
A:Accession: JC4302; PC4093  
R:Suter, B.; Pauli, U.  
Gene 163, 263-266, 1995  
A>Title: Cloning of the cDNA encoding the porcine p55 tumor necrosis factor receptor.  
A:Reference number: JC4302; MUID:96011645  
A:Accession: JC4302  
A:Molecule type: mRNA  
A:Residues: 1-461 <SOT>  
A:Cross-references: GB:U19994; NID:g1141752; PIDN:AAAC84499.1; PID:g1141753  
A:Accession: PC4093  
A:Molecule type: protein  
A:Residues: 1-7 <SU2>  
A:Experimental source: kidney cell line 15  
C:Genetics:  
A:Gene: tnfr  
C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology  
C:Keywords: glycoprotein; kidney; receptor; transmembrane protein; tumor  
F:1-29/Domains: signal sequence #status predicted <SIG>  
F:30-461/Product: tumor necrosis factor receptor p55 #status predicted <MAT>  
F:44-194/Domains: extracellular cysteine rich #status predicted <EXT>  
F:84-82/Domains: NGF receptor repeat homology <NG1>  
F:84-126/Domains: NGF receptor repeat homology <NG2>  
F:211-231/Domains: transmembrane #status predicted <TM>  
F:261-447/Domains: signal transduction #status predicted <INT>  
F:54,145,151/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match 10.6%; Score 134.5; DB 2; Length 461;

[illegible]

```

RESULT 6
154182
tumor necrosis factor receptor 2-related protein - human
C:Species: Homo sapiens (man)
C:Date: 24-May-1996 #sequence_revision 24-May-1996 #text_change 17-Mar-2000
C:Accession: 154182
R:Baens, M.; Chaffinet, M.; Cassiman, J.J.; Van den Berghe, H.; Marynen, P.
Genomics 16, 214-218, 1993
A>Title: Construction and evaluation of a hncDNA library of human 12p transcribed seq
A:Reference number: 154182; MUID:93252381
A:Accession: 154182
A:Status: preliminary; translated from GR/EMBL/DBD
A:Molecule type: mRNA
A:Residues: 1-435 <RES>
A:Cross-references: GR:104270; NID:g339761; PIDN:AAA36757.1; PID:g339762
C:Genetics:
A:Gene: GDB:LTBR
A:Cross-references: GDB:1230195; OMIM:600979
A:Map position: 12p13.3-12p13.1
C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology

Query Match          10.5%; Score 134; DB 2; Length 435;
Best Local Similarity 21.9%; Pred. No. 0.0009;
Matches 65; Conservative 29; Mismatches 109; Indels 94; Gaps 15;

QY  4  QENEYDQMGRCVTCQRCGPGQELSKDCGYEGGDAYCTACPPRRYSSWGHNK-CQSCI 62
      |||:::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
DB  46  QEKEYEYEFQHR-ICCSRCPPGTYSAKC--SRIRDYCATCAENSYNENHMYLTICQLCR 102
      |||:::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY  63  TCVAIVNRQKV-NCATATNAV-----GDCLPRFYKRTIRIG-GL 99
      |||:::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

DB  103  PCDDPMVGLLEIAPCTSKRKTKCQCPGMFCAMALECTHCELLSDCPGTAEALDKDEVGK 162
      |||:::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY  100  QDOECIPC-----TKQPTSEVQ-----CAPQLSIVEADAPT-----VPPQE 136
      |||:::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

DB  163  GNNHCVPCKAGHFQNTSSPSRCPNHTRCENQ-GLIVEAPRTAOSDTTCKNPLPELPPEM 221
      |||:::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY  137  ATLVALVSSLVLFVLAFLGLFLYCKQFNRH---CQGGILQFEADKTAKESELPVP 193
      :::|::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|
      :::|::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

DB  222  SGTMLM--LAVLLPLAFLLLATVVFSCIMKSHPSLCKRLG-----SLKKRR 265
      :::|::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

QY  194  PSKETSAESQVSMAPGSLAQLF-----SLDSVP-----IPQQ 226
      :::|::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

DB  266  PQGEGPVPNVAAGSWEPKNAHYEPDLVQPLPISGDVSPVSTGLPAALVLAAGVQQQ 322
      :::|::  |::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|::|

RESULT 7
A33356
tumor necrosis factor receptor 2 precursor [validated] - human

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```
C:keywords: duplication; glycoprotein; receptor; transmembrane protein  
F:1-22/Domain: signal sequence #status predicted <SIG>  
F:23-416/Product: tumor necrosis factor receptor 2 #status experimental <MAT>  
F:78-109/Domain: NGF receptor repeat homology <NGI>  
F:140-76/Domain: NGF receptor repeat homology <NG2>  
F:120-162/Domain: NGF receptor repeat homology <NG3>  
F:164-201/Domain: NGF receptor repeat homology <NG4>  
F:262-279/Domain: transmembrane #status predicted <TMN>  
F:280-461/Domain: intracellular #status predicted <INT>  
F:171,193/Binding site: carbohydate (Asn) (covalent) #status predicted
```

Query Match                  10.4%: Score 132.5; DB 1; Length 461:  
Best Local Similarity        21.2%; Pred.No. 0.0013;  
Matches     71: Conservative      25: Mismatches 108; Indels 131; Gaps 15;

OY      3 COENFYWDQMGKVCVYCQCGRPGCELSKDGGYGEGDADATACPPRRYSWGH-HKCOSC 61  
         |||::|||::|||::|||::|||::|||::|||::|||  
Db     40 CRLREYYHQDTM-KCCSKCSRGQAHKVFC--TKSTDYVDSCEDSDSTYTLLMMWWPECLSC 96  
         :::::|||::|||::|||::|||::|||::|||::|||  
OY     62 ITCAVINRVKYVNCTATSNAVCGDCLPFRY-----RKTRIG-----G    98  
         :|||::|||::|||::|||::|||::|||::|||  
Db     97 GSRCSSDDVEHQATREQNRIC-TCRPWCALSKSQEGLCAPLRKCPHGVARPTGE 155  
         |::|||::|||::|||::|||::|||::|||  
OY     99 LQDECIETCQTQ-----L-----H-----S-----T-----A-----R----- 111  
         |::|||::|||::|||::|||::|||::|||  
Db     156 TSDVCKPCAPCFESNTTSSTDICRHQICNVVAIPGNASMDAVCTSPTRSMAFGAYH 215  
OY     112 -----PRSEVOCAFQLSLVEDAPTTPPOEATL-VALLSYLLVFPLAFIG 156  
         |||::|||::|||::|||::|||::|||::|||  
Db     216 LPQPVSTSRHTQPTEPBSTABSTSFLPMGPS-PBASTCDPALGVLYGTVA--LG 272  
OY     157 LEFL-----YCKQFNHRHCQRGLLOFEADKT-----AKESELFPVPVS 195  
         |::|||::|||::|||::|||::|||::|||  
Db     273 LLIIIVNCVIIMTYKKRPDLQ-----REAKVPHLPADKAKGTHGPQQHLITAPS 326  
OY     196 KETSAESOVSNAPGSLAQFLSID-SVIPPDQGCP 229  
         |::|||::|||::|||::|||::|||  
Db     327 SSSSLSSAS-----ALDRRAPTRNPQOP 351

RESULT 8  
GORTT1  
tumor necrosis factor receptor 1 precursor - rat  
N:Contains: tumor necrosis factor binding protein 1 (TNF blocking factor)  
C:Species: Rattus norvegicus (Norway rat)  
C>Date: 30-Jun-1992 sequence\_noregic revision 07-Oct-1994 #text\_change 22-Jun-1999  
C:Accession: B36555  
R:Himmeler, A.; Maurer-Fogy, I.; Kroenke, M.; Scheurich, P.; Pfizenmaier, K.; Lantz, J.  
DNA Cell Biol. 9, 705-715, 1990  
A>Title: Molecular cloning and expression of human and rat tumor necrosis factor rec  
A:Reference number: A36555; MUID:J91090841  
A:Accession: B36555  
A:Molecule type: mRNA  
A:Residues: 1..461 <HM>  
A:Cross-references: GB:M63122; NID:g207361; PID:NAAA2256.1; PID:g207362  
C:Comment: This protein is one of two known receptors for both TNF-alpha (cachectin)  
C:Superfamily: tumor necrosis factor receptor type 1; NGF receptor repeat homology  
C:Keywords: duplication; glycoprotein; receptor; transmembrane protein  
F:1-29/Domain: signal sequence #status predicted <SIG>  
F:30-461/Product: tumor necrosis factor receptor type 1 #status predicted <MAT>  
F:30-211/Domain: extracellular #status predicted <EXT>  
F:140-76/Product: tumor necrosis factor binding protein #status predicted <BP>  
F:44-82/Domain: NGF receptor repeat homology <NG1>  
F:84-126/Domain: NGF receptor repeat homology <NG2>  
F:127-167/Domain: NGF receptor repeat homology <NG3>  
F:168-204/Domain: NGF receptor repeat homology <NG4>  
F:212-234/Domain: transmembrane #status predicted <TMN>  
F:235-461/Domain: intracellular #status predicted <INT>  
F:54,151,201/Binding site: carbohydrate (Asn) (covalent) #status predicted

Query Match                  10.2%: Score 130; DB 1; Length 461:  
Best Local Similarity        25.7%; Pred.No. 0.002;  
Matches     53: Conservative      16: Mismatches 89; Indels 48; Gaps 10;

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OY      3 COENEMYDQMGRCVTCORCGPQOELSKDCGYEGGDAYCTACPPRRKSSMGH-HKQCQ 61
      44 CPOGKVAHPKNNISICCKIKHGTIVSDCP-SRQOETVCEVCCKGTITASQNHVROCLSC 102
OY      62 ITC-AVINRQKVNCTATSNAGC-----DCLPRFYKRTI-----96
      103 KTCRKEMFOVEISPCKADMDVCGCKKNQFORYLSETHFQCVCOSPCFNGTITIPCKEQ 162
OY      97 -----GG--LQDOECIPCTKQTPSEVCAQOLSLVEADAPVPQOETVALYSSLL 147
      163 NYVONCHAGFELSGNETCPGSHCKKNQ-----CMKLCIPVANYTNPQDSGTAVLLP---L 216
OY      148 VFTFLAFLG--LFLFYCKQGFENRHQ 171
      217 VI-----FLGLCLLFFICISILCRYPQ 238

RESULT 9
B32393
T-cell antigen 4-1BB precursor - mouse
C:Species: Mus musculus (house mouse)
C:Date: 17-Jul-1992 #sequence_revision 17-Jul-1992 #text_change 21-Jul-2000
C:Accession: B32393; 148879
R:Kwon, B.S.; Weissman, S.M.
Proc. Natl. Acad. Sci. U.S.A. 86, 1963-1967, 1989
A:Title: cDNA sequence of two inducible T-cell genes.
A:Reference number: A32393; MUID:89184547
A:Accession: B32393
A:Molecule type: mRNA
A:Residues: 1-256 <KWO>
A:Cross-references: GB:J04492; NID:9201121; PIDN:AAA40167.1; PID:9201122
J:Kwon, B.S.; Kozak, C.A.; Kim, K.K.; Pickard, R.T.
J. Immunol. 152, 2256-2262, 1994
A:Title: Genomic Organization and Chromosomal Localization of the T-cell Antigen 4-1BB.
A:Reference number: I48879; MUID:94179805
A:Accession: I48879
A>Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: DNA
A:Residues: 1-256 <RES>
A:Cross-references: EMBL:002567; NID:91117783; PIDN:AAA93113.1; PID:9409178
C:Genetics:
A:Introns: 35/1, 69/1, 115/1, 138/2, 156/3, 181/1; 225/1
C:Superfamily: CD27 antigen; NGF receptor repeat homology
C:Keywords: transmembrane protein
F:1-23/Domain: signal sequence #status predicted <STG>
F:24-256/Product: 4-1BB protein #status predicted <MAT>

Query Match      10.2%; Score 129.5; DB 2; Length 256;
Best Local Similarity 24.8%; Pred. No. 0.0013;
Matches 66; Conservative 25; Mismatches 90; Indels 85; Gaps 13;

OY      16 VTCORCGPQOELSKDCGYEGGDAY---CTACPPRRKSSMGHHCQSCITCAVINRQK 72
      16 VCECKGVAQNQSCDNCQPTFCRKINPVCKSPPTFSISIGQPNQNTICVACGFREKK 75
OY      73 VNCATSNAGVGDCLPRFY-----RRTIRIGLQDOE-----C 104
      76 F-CSTPHNAEC-ECIEGFHCLGPOCTRCEKDCRPGQELTKQCKTCSLGFNDQNGTQVC 133
OY      105 ICTK-----QTPSE--VOC-----AFQLSLVEADAPVPP-----QEATL-VAL 142
      134 RPTWNCISLDGRSVLKTGTEKDVCGPPVVSFSPSTTISVTEGGPGGHSILQVLTFLAL 193
OY      143 VSSLVFTFLAFLGFLFYCKQGFENRHQCRGSLQFEADKTKESLFPVPSKETSALS 202
      194 TSALLL--ALIFITLFLSVLKWI-----RKKFHIFIKQPRKKTGGA-- 232
OY      203 QVSWAPGSLAQLFSLDSVPITPOQOQG 228
      233 -----AQEDACSCRCPOEEEG 249

```

```

RESULT 10
A46484
apoptosis-mediating membrane-associated polypeptide Fas - mouse
C:Species: Mus musculus (house mouse)
C:Date: 18-Jun-1993 #sequence_revision 18-Nov-1994 #text_change 05-Nov-1999
C:Accession: A46484; A47254
R:Matnabe-Fukunaga, R.; Brannan, C.I.; Itoh, N.; Yonehara, S.; Copeland, N.G.; Jenki
J. Immunol. 148, 1274-1279, 1992
A:Title: The cDNA structure, expression, and chromosomal assignment of the mouse Fas
A:Reference number: A46484; MUID:92148151
A:Accession: A46484
A>Status: preliminary
A:Molecule type: mRNA
A:Residues: 1-327 <MAT>
A:Cross-references: GB:M83649; NID:9193225; PIDN:AAA37593.1; PID:9193226
A:Experimental source: BAW3 macrophage cell line
A:Note: sequence extracted from NCBI backbone (NCBIN:815444, NCBI:81545)
R:Adachi, M.; Matnabe-Fukunaga, R.; Nagata, S.
Proc. Natl. Acad. Sci. U.S.A. 90, 1756-1760, 1993
A:Title: Aberrant transcription caused by the insertion of an early transposable elem
A:Reference number: A47254; MUID:93189576
A:Accession: A47254
A>Status: preliminary
A:Molecule type: nucleic acid
A:Residues: 1-96 <ADA>
A:Cross-references: GB:S56490; NID:9298505; PIDN:AAE25700.1; PID:9298506
A:Experimental source: MRL 1Prl/1Pr
A:Note: sequence extracted from NCBI backbone (NCBIN:126850, NCBIN:126853, NCBIN:1268
C:Superfamily: NGF receptor repeat homology
C:Keywords: transmembrane protein
F:44-79/Domain: NGF receptor repeat homology <NGF>
F:81-124/Domain: NGF receptor repeat homology <NGF>

```

```

Query Match      10.2%; Score 129.5; DB 2; Length 327;
Best Local Similarity 25.7%; Pred. No. 0.0017;
Matches 46; Conservative 20; Mismatches 76; Indels 37; Gaps 10;

```

```

OY      2 DCOENEMYDQMGRCVTCORCGPQOELSKDCGYEGGDAYCTACPPRRKSSMGH-HKCQ 59
      43 KNSGEGI---QGGPPCCQOPGPKKVEDCKM-NGSTPFCAPCTGCKEYMDKNHVDKCR 98
OY      60 SCITCAVINRQ-KVNCTATSNAGVGDCLPRFY-----RRTIRIGLQDOECIPCTKQ 111
      99 RCTLDCDEHGLEVENICTLTQNTKC-KCKPRDYCOSPCGCHVKRASEHGLEEC---T 154
OY      112 PISEVQCAFQLSLVEADAPVPQOETVALYSSLLVFTFLAFLGFLFYCKQGFENRHQ 170
      155 ATSNNTNCRQ-----SPNRRLWLTITVLLI-----PLVFIY-RKYRKRKC 194

```

```

RESULT 11
137383
FAS soluble protein - human
C:Species: Homo sapiens (man)
C:Date: 02-Jul-1996 #sequence_revision 02-Jul-1996 #text_change 21-Jul-2000
C:Accession: I37383
R:Cascino, I.; Flucchi, G.; Papoff, G.; Ruberti, G.
J. Immunol. 154, 2706-2713, 1995
A:Title: Three functional soluble forms of the human apoptosis-inducing Fas molecule
A:Reference number: I37383; MUID:95181785
A:Accession: I37383
A>Status: preliminary; translated from GB/EMBL/DBJ
A:Molecule type: mRNA
A:Residues: 1-314 <RES>
A:Cross-references: EMBL:Z47993; NID:9728578; PIDN:CAA88031.1; PID:9695539

```

```

Query Match      10.1%; Score 129; DB 2; Length 314;
Best Local Similarity 23.5%; Pred. No. 0.0018;
Matches 40; Conservative 30; Mismatches 60; Indels 40; Gaps 9;

```

```

OY      18 COR-CGPGQELSKDCGYEGGDAYCTACPPRRKSSMGH-HKQSCITCAVINRQ-KV 73
      59 CHKPCPGERRARDCV-NGDEPDCVPCQEGKEVTDRAHFSSKCRRCRLCDEGHGLVEI 117

```



